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## **CDC Health Advisory**

Distributed via Health Alert Network

March 18, 2004, 12:38 EST (12:38 PM EST)

### **Imported Case of Measles Identified on Airline Flight into Detroit and Cedar Rapids**

#### **Background**

On March 13, 2004, the Iowa Department of Health reported to CDC a case of measles in the infectious stage in Cedar Rapids, Iowa. The index case flew from New Delhi through the Detroit Metro Airport to Cedar Rapids Iowa on March 12th. Flight numbers: Northwest 039 from Amsterdam to Detroit, MI and Northwest 3786 from Detroit to Cedar Rapids. The Iowa Department of Health and the Michigan Department of Health have been contacting passengers to alert them to the possible exposure. On March 15, the Wayne County Health Department visited the Detroit Metro Airport to vaccinate the Customs and Border Protection personnel, airline personnel, and anyone else who was exposed.

CDC estimates that exposures to measles in a commercial aircraft occur an average 10-12 times per year in the United States. Over the past ten years, CDC has identified only three cases of measles, which apparently resulted from exposure in a commercial aircraft.

The case, which is now laboratory confirmed, occurred in a 19 year old male who is a US resident returning from travel to India where measles is endemic. The student not been vaccinated against measles.

#### **Post exposure prophylaxis**

Persons who might have been exposed, or who are at high risk of exposure to measles, should be evaluated to assure they are immune to measles. Persons generally can be presumed immune to measles if they have documentation of 2 doses of measles vaccine, laboratory evidence of immunity to measles, documentation of physician-diagnosed measles, or were born before 1957. Persons who are not immune should be given MMR vaccine or immune globulin according to ACIP recommendations.

#### **Surveillance for potential secondary cases**

State Public Health Departments should be alert to possible cases of measles in persons who traveled on Northwest # 039 and 3786 or their contacts. Measles is an acute disease characterized by fever, cough, coryza, an erythematous

maculopapular rash and a pathognomonic enanthem (Koplik spots). Measles has an incubation period of 7-21 days and infected people are considered contagious from 4 days before to 4 days after the appearance of rash. Serologic (Measles IgM) testing is required to confirm the diagnosis. In addition to serologic specimens, programs should collect throat swabs or urine for viral isolation.

**Further information on measles can be found at:**

[http://www.cdc.gov/ncidod/diseases/submenus/sub\\_measles.htm](http://www.cdc.gov/ncidod/diseases/submenus/sub_measles.htm)

<http://www.cdc.gov/nip/publications/acip-list.htm>

**DHEC Contact Information for Reportable Diseases and Reporting Requirements:**

Healthcare providers and laboratory staff should report suspect and confirmed cases of measles to their local and State health departments. State Health Departments will report cases to the CDC.

Reporting of cases is consistent with South Carolina Law requiring the reporting of diseases and conditions to your state or local public health department. (State Law # 44-29-10 and Regulation # 61-20) as per the DHEC 2004 List of Reportable Conditions available at:

<http://www.scdhec.net/hs/diseasecont/disease.htm>.

Attached is a complete listing of both local and state numbers for use in reporting **ANY** disease or condition.

Federal HIPAA legislation allows disclosure of protected health information, without consent of the individual, to public health authorities to collect and receive such information for the purpose of preventing or controlling disease. (HIPAA 45 CFR §164.512)

## District Public Health Offices

Mail or call reports to the District Epidemiology/Disease Reports office in each district.

### **Appalachia I**

(Anderson, Oconee)  
220 McGee Road  
Anderson, SC 29625  
Phone: (864) 231-1966  
Fax: (864) 260-5623  
Nights / Weekends: 1-866-298-4442

### **Appalachia II**

(Greenville, Pickens)  
PO Box 2507  
200 University Ridge  
Greenville, SC 29602-2507  
Phone: (864) 282-4139  
Fax: (864) 282-4373  
Nights / Weekends: (864) 460-5355 or  
1-800-993-1186

### **Appalachia III**

(Cherokee, Spartanburg, Union)  
PO Box 4217  
151 E. Wood Street  
Spartanburg, SC 29305-4217  
Phone: (864) 596-2227 ext. 210  
Fax: (864) 596-3443  
Nights / Weekends: (864) 809-3825

### **Catawba**

(Chester, Lancaster, York)  
PO Box 817  
1833 Pageland Highway  
Lancaster, SC 29721  
Phone: (803) 283-3175  
Fax: (803) 283-0572  
Nights / Weekends: 1-866-867-3886 or  
1-888-739-0748

### **Edisto Savannah**

(Aiken, Allendale, Barnwell)  
1680 Richland Avenue, W. Suite 40  
Aiken, SC 29801  
Phone: (803) 642-1618  
Fax: (803) 642-1619  
Nights / Weekends: (803) 827-8668 or  
1-800-614-1519

### **Edisto Savannah**

(Bamberg, Calhoun, Orangeburg)  
PO Box 1126  
1550 Carolina Avenue  
Orangeburg, SC 29116  
Phone: (803) 533-7199  
Fax: (803) 536-9118  
Nights / Weekends: (803) 954-8513

### **Low Country**

(Beaufort, Colleton, Hampton, Jasper)  
1407 King Street  
Beaufort, SC 29902  
Phone: (843) 525-7603  
Fax: (843) 525-7621  
Nights / Weekends: 1-800-712-6586

### **Palmetto**

(Fairfield, Lexington, Newberry, Richland)  
2000 Hampton Street  
Columbia, SC 29204  
Phone: (803) 576-2749  
Fax: (803) 576-2993  
Nights / Weekends: (803) 304-4252

### **Pee Dee**

(Chesterfield, Darlington, Dillon,  
Florence, Marlboro, Marion)  
145 E. Cheves Street  
Florence, SC 29506  
Phone: (843) 661-4830  
Fax: (843) 661-4859  
Nights / Weekends: (843) 660-8145

### **Trident**

(Berkeley, Charleston, Dorchester)  
4050 Bridge View Drive, Suite 600  
N. Charleston, SC 29405  
Phone: (843) 746-3832  
Fax: (843) 746-3851  
Nights / Weekends: (843) 219-8470

### **Upper Savannah**

(Abbeville, Edgefield, Greenwood,  
Laurens, McCormick, Saluda)  
PO Box 3227  
1736 S. Main Street  
Greenwood, SC 29646  
Phone: 1-888-218-5475  
Fax: (864) 942-3690  
Nights / Weekends: 1-800-420-1915

### **Waccamaw**

(Georgetown, Horry, Williamsburg)  
2830 Oak Street  
Conway, SC 29526-4560  
Phone: (843) 365-3126  
Fax: (843) 365-3153  
Nights / Weekends: (843) 381-6710

### **Wateree**

(Clarendon, Kershaw, Lee, Sumter)  
PO Box 1628  
105 North Magnolia Street  
Sumter, SC 29150  
Phone: (803) 773-5511  
Fax: (803) 773-6366  
Nights / Weekends: 1-877-831-4647

### **Bureau of Disease Control**

Acute Disease Epidemiology Division  
1751 Calhoun Street  
Box 101106  
Columbia, SC  
Phone: (803) 898-0861  
Fax: (803) 898-0897  
Nights / Weekends: 1-888-847-0902

### **Categories of Health Alert messages:**

**Health Alert:** conveys the highest level of importance; warrants immediate action or attention.

**Health Advisory:** provides important information for a specific incident or situation; may not require immediate action.

**Health Update:** provides updated information regarding an incident or situation; unlikely to require immediate action.